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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Spautin-1

Autophagy inhibitor
Catalog No. SIH-404



Discovery through partnership | Excellence through quality

Overview

Product Name

Spautin-1

Description

Autophagy inhibitor

Purity

>98%

CAS No.

1262888-28-7

Molecular Formula

C₁₁H₁₁F₂N₃

Molecular Weight

271.26

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble in DMSO (15 mg/ml).

Source

Synthetic

Appearance

White to beige powder.

SMILES

c1cc(ccc1CNc2c3cc(ccc3ncn2)F)F

InChI

InChI=1S/C15H11F2N3/c16-11-3-1-10(2-4-11)8-18-15-13-7-12(17)5-6-14(13)19-9-20-15/h1-7,9H,8H2,(H,18,19,20)

InChIKey

AWIVHRPYFSSVOG-UHFFFAOYSA-N

Safety Phrases

Classification: D2B- Toxic Material Causing Other Toxic Effects, Severe eye irritant

Safety Phrases:

S22 - Do not breathe dust.

S24/25 - Avoid contact with skin and eyes.

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

Hazard statements:

H302- Harmful if swallowed.

H318- Causes serious eye damage.

Precautionary statements:

P280- Wear protective gloves/ eye protection/ face protection.

P305 + P351 + P338- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Cite This Product

Spautin-1 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-404)

Biological Description

Alternative Names

6-Fluoro-N-[(4-fluorophenyl)methyl]-4-quinazolinamine

Research Areas

Cancer, Autophagy

PubChem ID

51037431

Scientific Background

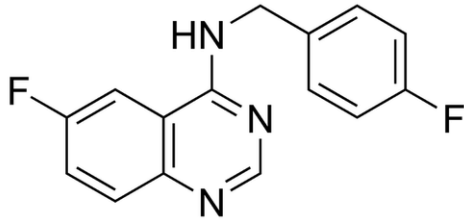
Spautin-1 inhibits the deubiquitination activity of USP10 and USP13, two ubiquitin-specific peptidases. This results in the degradation of class III PI3 kinase complexes. Because this group of kinases regulates autophagy, Spautin-1 in turn inhibits autophagy.

References

1. Liu J., et al. (2011) Cell. 147(1): 223-34.

Product Images

Chemical structure of Spautin-1 (SIH-404), a Autophagy inhibitor. CAS #: 1262888-28-7. Molecular Formula: C₁₅H₁₁F₂N₃. Molecular Weight: 271.26 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.